

25 FEB 2005

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
11 March 2004 (11.03.2004)

PCT

(10) International Publication Number  
**WO 2004/020784 A3**

(51) International Patent Classification<sup>7</sup>: **E21B 34/02**,  
34/04, 34/06, F16F 9/34

(21) International Application Number:  
PCT/EP2003/009698

(22) International Filing Date:  
1 September 2003 (01.09.2003)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:  
202 13 365.6 30 August 2002 (30.08.2002) DE

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(81) Designated States (national): AE, AG, AL, AM, AT, AU,  
AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU,  
CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,  
GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC,  
LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW,  
MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC,  
SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA,  
UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (regional): ARIPO patent (GH, GM,  
KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW),  
Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),  
European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE,  
ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO,  
SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM,  
GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

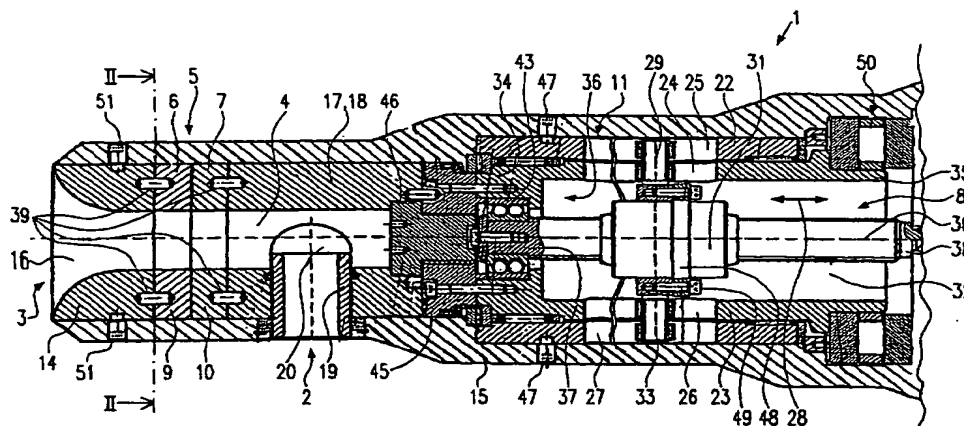
## Published:

- with international search report
- before the expiration of the time limit for amending the  
claims and to be republished in the event of receipt of  
amendments

(88) Date of publication of the international search report:  
6 May 2004

[Continued on next page]

(54) Title: **THROTTLE DEVICE**



(57) Abstract: A throttle device (1) comprises a device housing (15) with an inlet (2) and an outlet (3) and a throttle element (5) arranged in a connecting duct (4) connecting the inlet (2) and the outlet (3), said throttle element comprising at least two throttle components (6, 7) to be adjusted relative to one another and by the relative position of which an opening surface of the throttle element (5) is determined, at least the first throttle component (6) being actively connected with a drive means (8) for an adjustment relative to the second throttle component (7). In order to guarantee with a simplified construction a safe operation of the throttle device without the risk of a choking of the corresponding throttle element and to simultaneously realize a simple possibility of movement for the throttle components, the throttle components are throttling discs to be rotated relative to one another, at least one of which being movably connected with a rotary adjustment device (11) of the drive means (8), the throttling discs (9, 10) each comprising at least one throttle opening (12, 13, 40, 41) the overlap of which determines the opening surface depending on the relative position of the throttling discs (9, 10).

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# INTERNATIONAL SEARCH REPORT

Application No  
PCT/EP 03/09698

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 E21B34/02 E21B34/04 E21B34/06 F16F9/34

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 E21B F16F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2 751 022 A (BAKER REUBEN C ET AL) 19 June 1956 (1956-06-19)	1-8,24, 25
Y	column 8, line 11 - line 24; figures 12,13 Claims 3,4,6,7,24,25 lack inventive step with regard to this document considered alone	9-23
X	US 2 920 863 A (WLADIMIR TIRASPOLSKY) 12 January 1960 (1960-01-12)	1-8,24, 25
Y	claim 1; figures 2,3 see disc 5 with ports 14 and ring 8 with ports 15 Claims 3,4,6,7,24,25 lack inventive step over this document considered alone	9-23
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☒ Patent family members are listed in annex.

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Date of the actual completion of the international search

18 February 2004

Date of mailing of the international search report

24/02/2004

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# INTERNATIONAL SEARCH REPORT

Application No  
PCT/EP 03/09698

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 4 638 833 A (WOLCOTT II HERBERT A) 27 January 1987 (1987-01-27)	1-8, 24, 26
Y	column 1, line 14 - line 25 Claims 3, 4, 6, 7, 24, 25 lack inventive step over this document considered alone	9-23
Y	US 3 637 188 A (UNG HARRY L) 25 January 1972 (1972-01-25) see discs 33, 34; nut 34 figure 1	9-23
Y	GB 625 698 A (WILLIAM EDWARD KENDRICK; SYDNEY EWART BULLOCK; THOMAS HAMILTON FAULKNER) 1 July 1949 (1949-07-01) the whole document see sleeves 105, 143 and spindle 165	9-23
Y	GB 925 787 A (HYDREL AG) 8 May 1963 (1963-05-08) see spindle 20 figure 1	14-16
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International Application No

PCT/EP 03/09698

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US 2920863	A	12-01-1960	NONE	
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